

## PDF Controller

Offer your HTML page for PDF download. Control the conversion with the integrated user interface.



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The content of this document is related to TYPO3

- a GNU/GPL CMS/Framework available from [www.typo3.org](http://www.typo3.org)

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# Screen Shots

## Frontend

### Case I - without configuring any line TypoScript



Illustration 1: Download dialog after the mouse click on the PDF button

You have to add a page with the plugin PDF Controller User Interface and the PDF Controller Button to a page only.

### Case II - Website wide PDF downloads and optimized printing

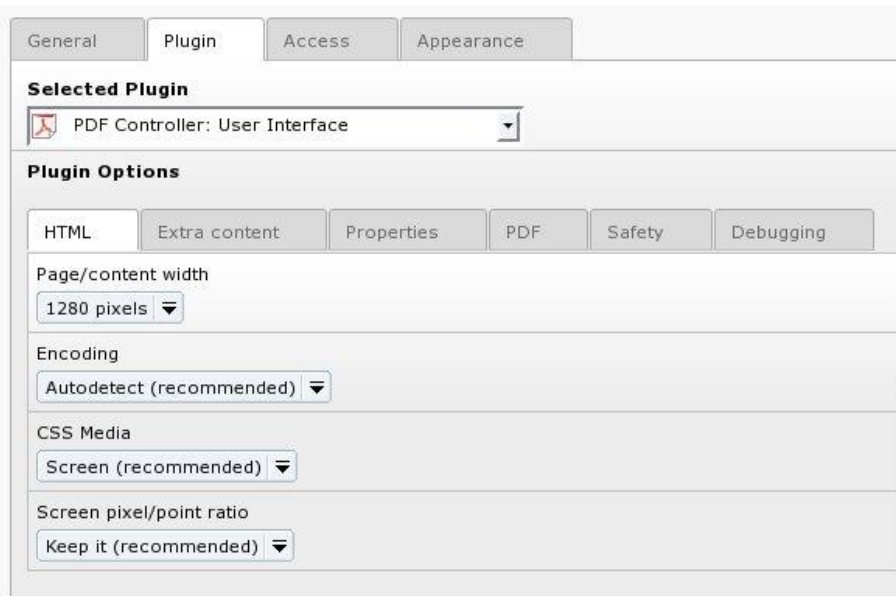


Illustration 2: 1: PDF button and print button generated by the PDF Controller. 2: PDF file in a PDF viewer.

Tutorial II on page 12 below demonstrates, how to integrate the PDF button and the print button (1) website wide. You can configure the conversion, your PDF file (2) can defer to the HTML page (for optimized printing i.e.).

## Backend

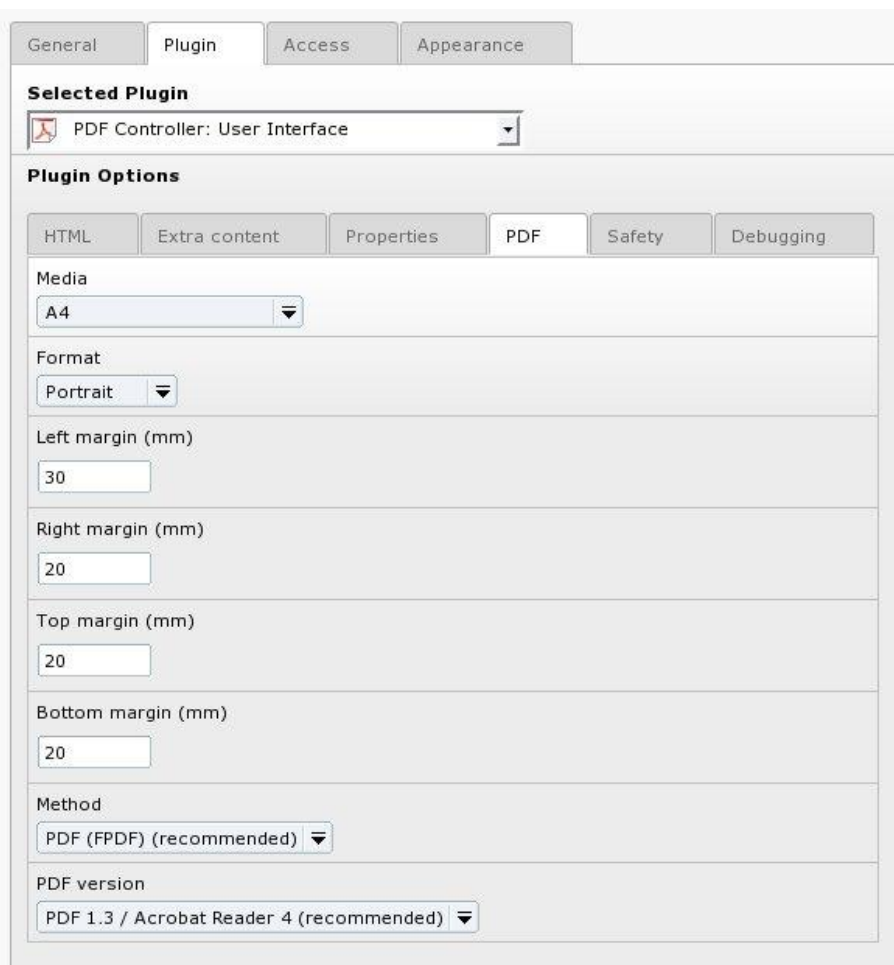
### PDF Controller User Interface



The screenshot shows the 'Plugin' tab of the PDF Controller User Interface. The 'Selected Plugin' is 'PDF Controller: User Interface'. Under 'Plugin Options', the 'HTML' sub-tab is active. The settings are as follows:

- Page/content width: 1280 pixels
- Encoding: Autodetect (recommended)
- CSS Media: Screen (recommended)
- Screen pixel/point ratio: Keep it (recommended)

Illustration 3: PDF Controller User Interface: Properties of the HTML page

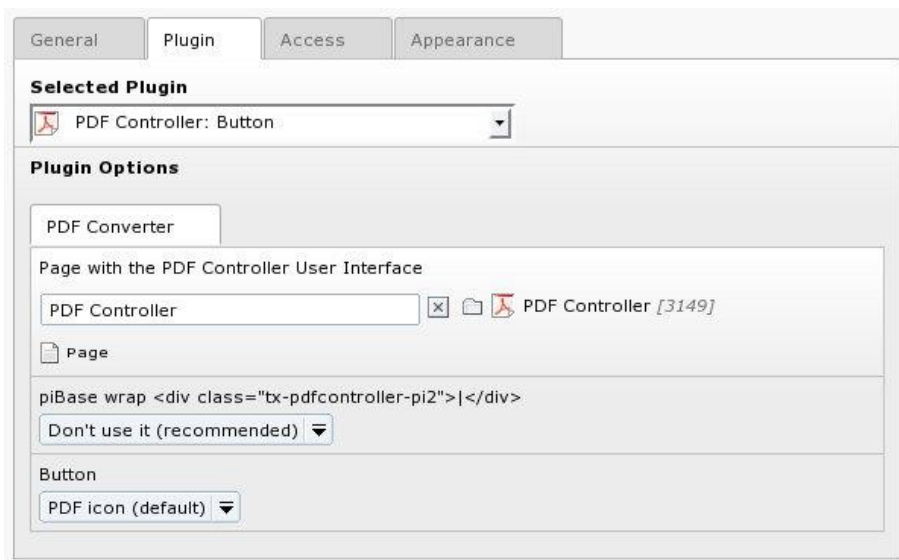


The screenshot shows the 'Plugin' tab of the PDF Controller User Interface. The 'Selected Plugin' is 'PDF Controller: User Interface'. Under 'Plugin Options', the 'PDF' sub-tab is active. The settings are as follows:

- Media: A4
- Format: Portrait
- Left margin (mm): 30
- Right margin (mm): 20
- Top margin (mm): 20
- Bottom margin (mm): 20
- Method: PDF (FPDF) (recommended)
- PDF version: PDF 1.3 / Acrobat Reader 4 (recommended)

Illustration 4: PDF Controller User Interface: Properties of the PDF document

## PDF Controller Button



The screenshot shows a configuration dialog box for the 'PDF Controller Button' plugin. It has four tabs: 'General', 'Plugin', 'Access', and 'Appearance'. The 'Plugin' tab is selected. Under 'Selected Plugin', a dropdown menu shows 'PDF Controller: Button'. Below this, the 'Plugin Options' section contains several settings:

- A 'PDF Converter' tab is visible.
- Under 'Page with the PDF Controller User Interface', there is a text input field containing 'PDF Controller', followed by a close button (X), a folder icon, and a PDF icon with the text 'PDF Controller [3149]'.
- Under 'Page', there is a 'piBase wrap' section with a code snippet: `<div class="tx-pdfcontroller-pi2">|</div>`. Below this is a dropdown menu set to 'Don't use it (recommended)'.
- Under 'Button', there is a dropdown menu set to 'PDF icon (default)'.

Illustration 5: PDF Controller Button

# Introduction

## What does it do?

- The PDF Controller converts your whole HTML page or parts of your HTML page to a PDF document.
- The CSS compatibility is high level (see more information in section "CSS compatibility list" on page 31 below).
- The PDF Controller has an user interface for controlling the PDF process. The user interface is in English or German depending on the language of the backend user.
- The PDF Controller has a second plugin: The PDF Controller Button.
- The PDF Controller has five tools for development (four frontend tools, one backend tool)
- The PDF Controller generates unique file names.
- The PDF Controller doesn't need an extra page object.
- The PDF Controller is secure: You can use it for PDF converting for the current website only by default.

## Manual in PDF

You find this manual as PDF file at

- `doc/manual.pdf`
- [http://typo3.org/extensions/repository/view/pdfcontroller/current/info/?tx\\_terfe\\_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf](http://typo3.org/extensions/repository/view/pdfcontroller/current/info/?tx_terfe_pi1%5BdownloadFile%5D=doc%252Fmanual.pdf)

## Website

The PDF Controller has a website. Please visit

- English  
<http://typo3-pdfcontroller.de/en/>
- German  
<http://typo3-pdfcontroller.de/>

## Forum

The PDF Controller has a forum (see Forum on page 33 below).

# Installation

- Install the extension PDF Controller (pdfcontroller) and PDF Controller Fonts (pdfcontroller\_fonts).
- Create in your library folder (or anywhere) the page:
  - PDF Controller
- Add to the page PDF Controller the plugin PDF Controller User Interface
- Add the plugin PDF Controller Button to the page, which should be downloadable as a PDF document.
- Configure the plugin PDF Controller Button: Link to the PDF Controller User Interface.
- Include the static TypoScript template "PDF Controller Button" into the page with the button.

That's all.

# Tutorial I

If you like to offer every page for the PDF download, you don't need to add the PDF Controller Button to every page. You define a central PDF Controller Button and integrate it once by TypoScript to every page.

## Installation

The installation is the same like in the section Installation on page 7 above. But you don't need to add the PDF Controller Button to a special page.

## Add Pages and Plugins

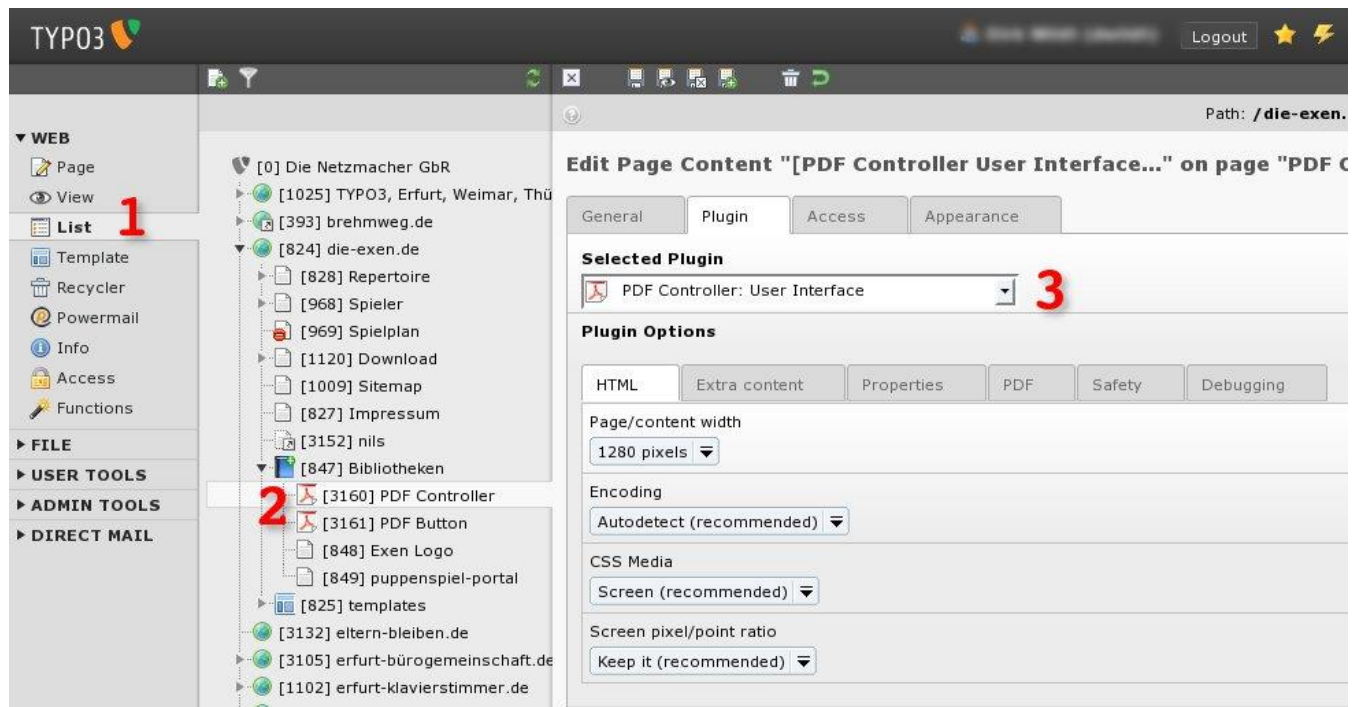


Illustration 6: Pages and plugin

1. Module      Web > List
2. Page tree    Add to your folder libraries (or another sysfolder) the pages:
  - PDF Controller
  - PDF Button
3. Edit area    Add to your pages the correspondingly plugins.
  - page PDF Controller: the plugin PDF Controller User Interface
  - page PDF Button: the plugin PDF Controller Button



## Add the page tree icon

If you like the PDF icon for your pages in the page tree like in the illustration below, please configure the page properties of the pages PDF Controller and PDF Button.

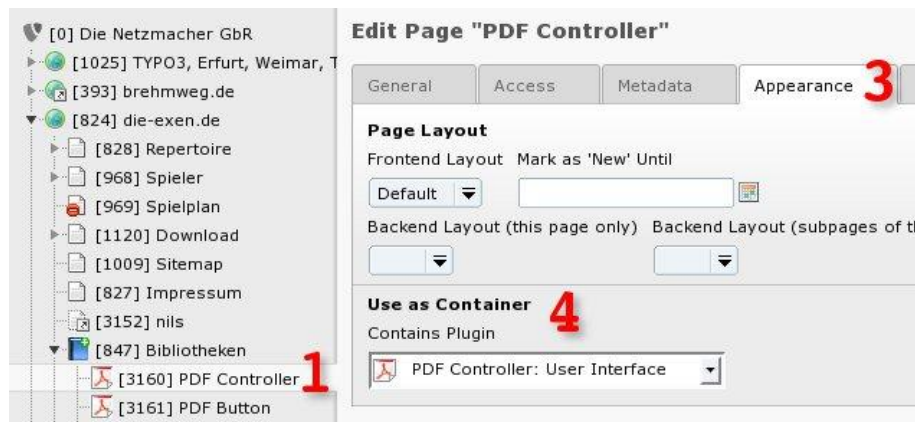


Illustration 7: Page contains the plugin ...

1. Page tree      PDF Controller
2. Edit area      Edit page properties
3.                  Tab [Appearance]
4.                  Field [Contains Plugin]: PDF Controller: User Interface

Repeat the steps for the page PDF Button.

## Add more page tree icons?

Do you like the library icon in the illustration above? It's available after installing the extension "TSconfig Pages and Users by extManager" (extkey: tsconf). See "Other extensions published by Die Netzmacher GbR" on page 32 below.

## Configure the Plugin Button

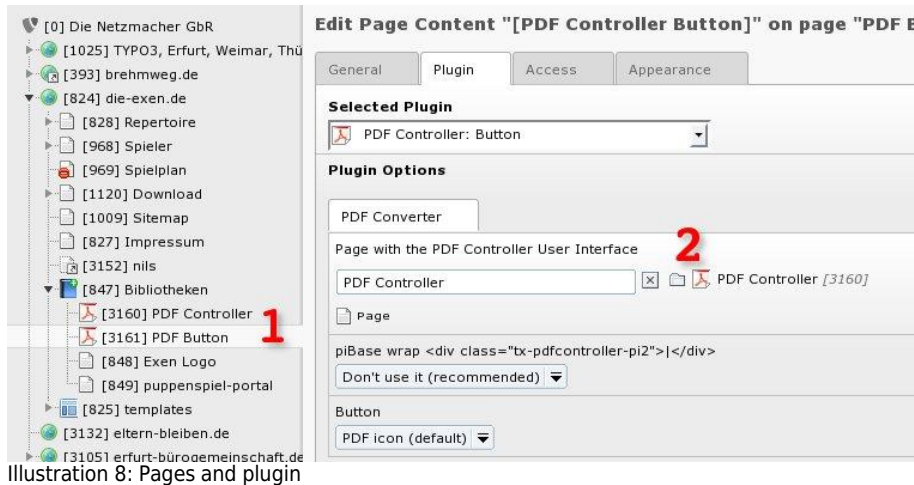


Illustration 8: Pages and plugin

1. Page tree PDF Button
2. Edit area Edit the plugin PDF Controller Button:  
Connect the button with the page PDF Controller.

## Adapt the TypeScript to your needs

This is an example for a TypeScript without TemplaVoilà. If you are using TemplaVoilà, the workflow will be different. Please inspect your TypeScript code. Please find the TypeScript array, where you want to place the button like in the example below.

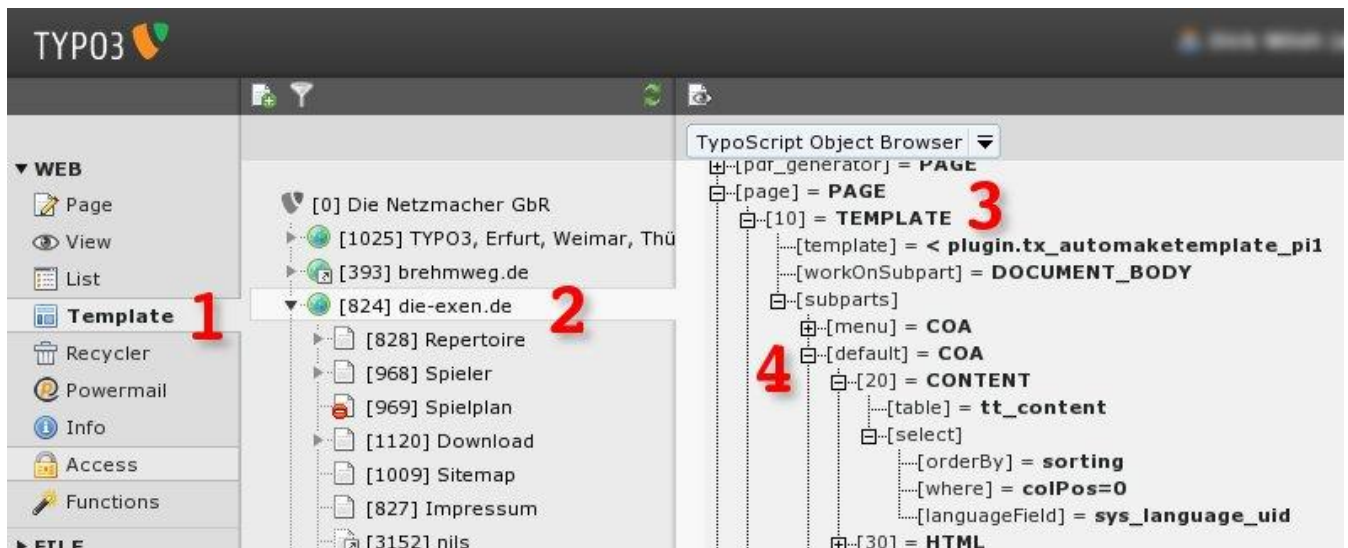


Illustration 9: TypeScript Object Browser

1. Module Web > Template
2. Page tree Root page (in the illustration above: die-exen.de)
3. Edit area TypeScript Object Browser  
Look for the content area in your TypeScript page object.  
In the illustration above: page.10.template.subparts.default

## TypoScript Snippet

The content area is in our example above:

```
page.10.template.subparts.default.20
```

If we want the PDF button on the top of the content area, we have to add something like this:

```
page.10.template.subparts.default.10
```

If we want the PDF button on the bottom of the content area, we have to add something like this:

```
page.10.template.subparts.default.30
```

The whole snippet for our example:

```
page {
  10 {
    subparts {
      default {
        10 = COA
        10 {
          wrap = <div style="padding-top:1em;text-align:right;"> | </div>
          10 < styles.content.get
          10 {
            select {
              // Id of the page PDF Button
              pidInList = 3161
            }
          }
        }
      }
    }
    40 = COA
    40 {
      wrap = <div style="text-align:right;"> | </div>
      10 < styles.content.get
      10 {
        select {
          // Id of the page PDF Button
          pidInList = 3161
        }
      }
    }
  }
}
```

### Add Snippet and the Include Static Template

1. Please add the snippet to the TypoScript template at the bottom of the field setup of your root page. This is the quick way. The better way is, to create an extension template with the TypoScript snippet and include the extension template into the TypoScript template of the root page.
2. Please include the static Template "PDF Controller: button (pdfcontroller)" into the TypoScript template of your root-page.

# Tutorial II

Usually it is a need, to take another HTML template and another CSS for your PDF document.

Reasons are often:

- You don't need navigation tools like a menu in your PDF document.
- You don't need a header image.
- You like a logo at the top and a footer at the bottom.
- The background color of your HTML page is black (bad for printers).

If you need another HTML template or another CSS or an extended CSS, you have to configure another TYPO3 page object.

Result of Tutorial II is a page object, an optimized HTML page for printing and an optimized PDF document.

## Based on

This tutorial is based on

- tutorial I and
- the real example <http://die-exen.de/>

If you didn't follow tutorial I, please do it now.

Your needs will defer from <http://die-exen.de/>. Please adapt the TypoScript snippets below to your needs.

## Page Object

### Copy the current Page Object

```

1.  //////////////////////////////////////////
2.  //
3.  // Page optimized for printing (typeNum 98)
4.
5.  print < page
6.  print {
7.    typeNum = 98
8.    config >
9.    config {
10.     admPanel          = 0
11.     xhtml_cleaning    = 0
12.     language          = de
13.     locale_all        = de_DE
14.     metaCharset       = UTF-8
15.     doctype           = xhtml_strict
16.     htmlTag_langKey   = de
17.     no_cache          = 1
18.   }
19. }
20. // Page optimized for printing (typeNum 98)

```

- Line 5: Copy your current page object to the new object print. If your current page object isn't called page, please adapt this line to your needs.
- Line 7: typeNum of the print object is 98. 98 is used in context of printing usually. But feel free to take another typeNum.
- Line 8: Remove the config of the page object.
- Line 9-18: Define a new config array adapted to your needs. In the example above the language of the website is German. If it isn't in your case, please adapt localisation properties to your needs.
- Line 17: If you are using tt\_content only for delivering content, you may cache the print object. Set no\_cache to 0. But if you are using records like tt\_news or another database, it is recommended not to cache the output.

## Remove not needed Properties

Now you have to inspect your print object. It is recommended to inspect the TypoScript with the TypoScript Object Browser.

You have to remove not needed properties. This depends on the configuration of your page object.

In our example – it is based on the real website <http://die-exen.de/> - we have to remove the properties below.

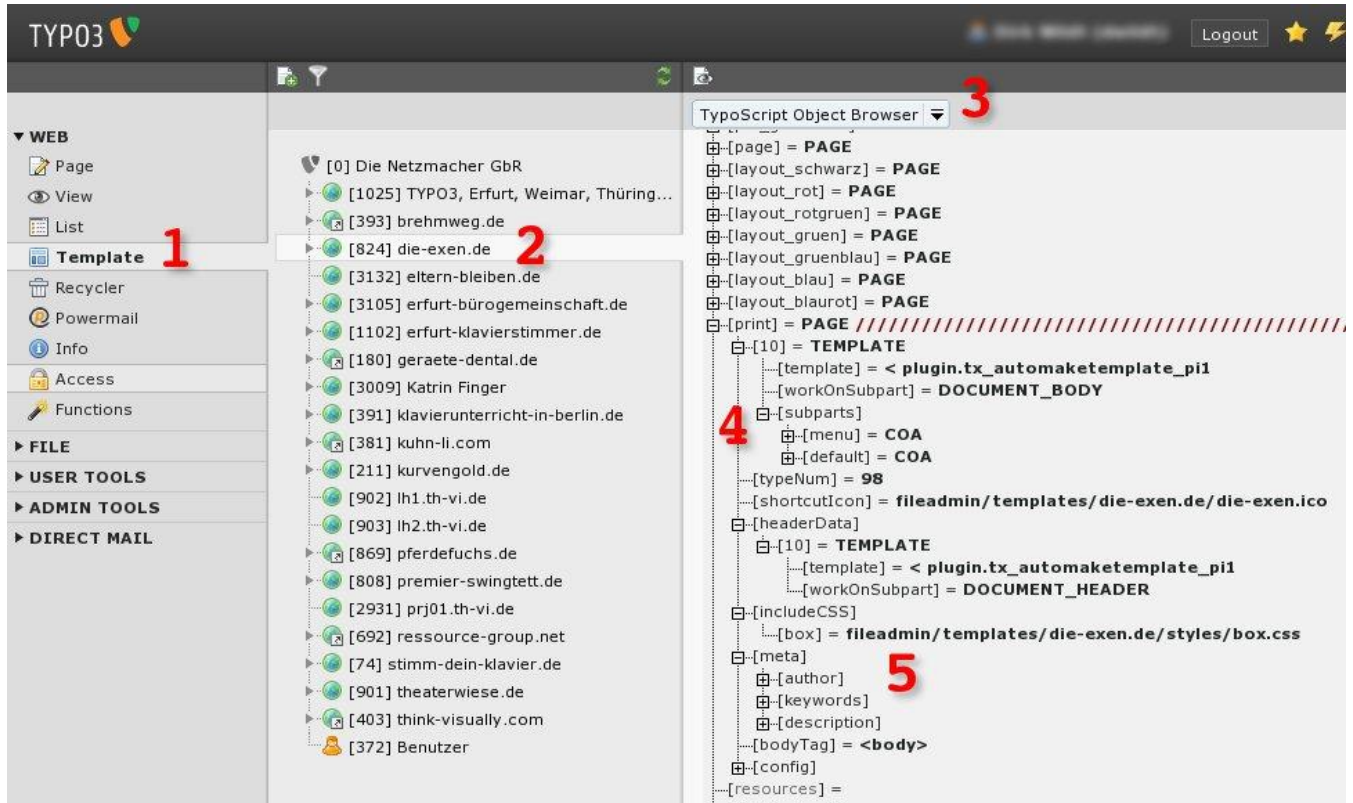


Illustration 10: Inspect your TypoScript

1. Module      Web > Template
2. Page tree    Root page (in the illustration above: die-exen.de)
3. Edit area    TypoScript Object Browser
4.              The menu should be removed. It is part of the array subparts.
5.              Some meta properties should be removed.  
This is for search engines only to avoid double content.

```
// Remove some meta tags
print.meta.keywords >
print.meta.description >
// Replace subpart menu with a space char
print.10.subparts.menu >
print.10.subparts.menu = &nbsp;
// Remove pdf controller button at top and bottom
print.10.subparts.default.10 >
print.10.subparts.default.40 >
```

## Add a footer

We need a footer in our example. We add this TypoScript snippet:

```
// Footer
print {
  10 {
    subparts {
      default {
        40 = COA
        40 {
          wrap = <div id="footer_type98">|</div>
          10 = TEXT
          10 {
            wrap = http://die-exen.de|<br />
            typolink {
              parameter          = {page:uid},0
              parameter.insertData = 1
              returnLast         = url
            }
          }
          21 = TEXT
          21.value = &#169; die-exen.de, c/o puppenspiel-portal.eu, Borntalweg 4, 99092
Erfurt&nbsp;|&nbsp;
          22 = TEXT
          22.data = date:U
          22.strftime = Gedruckt am %d.%m.%y um %T Uhr
        }
      }
    }
  }
}
```

## CSS

We have to overwrite some CSS properties. This is the CSS file:

```
body {
  background-image:url(images/hintergrund_14.gif);
  background-color:white;
  color:black;
}
a,
a:link,
a:visited {
  color: #546600;
}
a:active, a:hover {
  color: #D0FF00;
}
#menu {
  display:none;
}
#footer_type98 {
  font-weight:normal;
  font-size:.6em;
  padding-top:1em;
  text-align:center;
}
```

The TypoScript in prose:

- We need another background colour and background image.
- We need another colour for links
- Don't display the menu
- Some other properties for our footer

## Upload the CSS file

We upload the file to the path:

```
fileadmin/templates/die-exen.de/styles/pdf_controller.css
```

## Include the CSS file

```
print {
    includeCSS {
        pdf_controller = fileadmin/templates/die-exen.de/styles/pdf_controller.css
    }
}
```

## Result

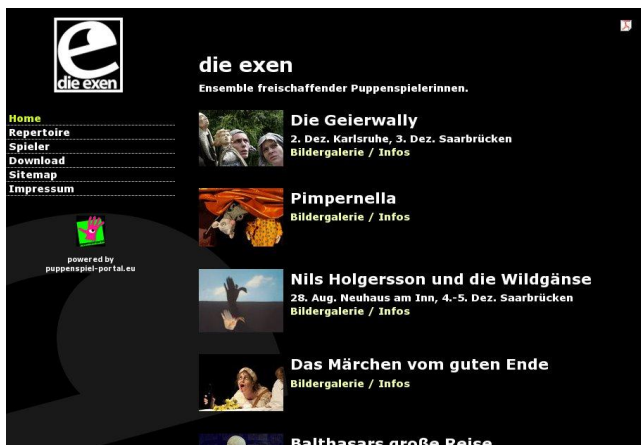


Illustration 11: die-exen.de HTML page



Illustration 12: die-exen.de optimized for printing

The HTML page optimized for printing is a very good base for the PDF conversion.

Next step is, to extend the PDF Controller button with a button for printing.

## Button for PDF download and for Printing

The PDF Controller has a master\_template for this job.

You have to do this:

- Allocate the master\_template to the current button property
- Set the ID of the page PDF Controller in the TYPO3 Constant Editor

## Allocate the master\_template

```
1. page {
2.     10 {
3.         subparts {
4.             default {
5.                 10 < plugin.tx_pdfcontroller_pi2.master_templates.pdf_and_print_button
6.                 40 < plugin.tx_pdfcontroller_pi2.master_templates.pdf_and_print_button
7.             }
8.         }
9.     }
10. }
```

Line 5 + 6: We allocate the master\_template "pdf\_and\_print\_button" to the current button configuration.

## Set the ID of the page PDF Controller in the TYPO3 Constant Editor

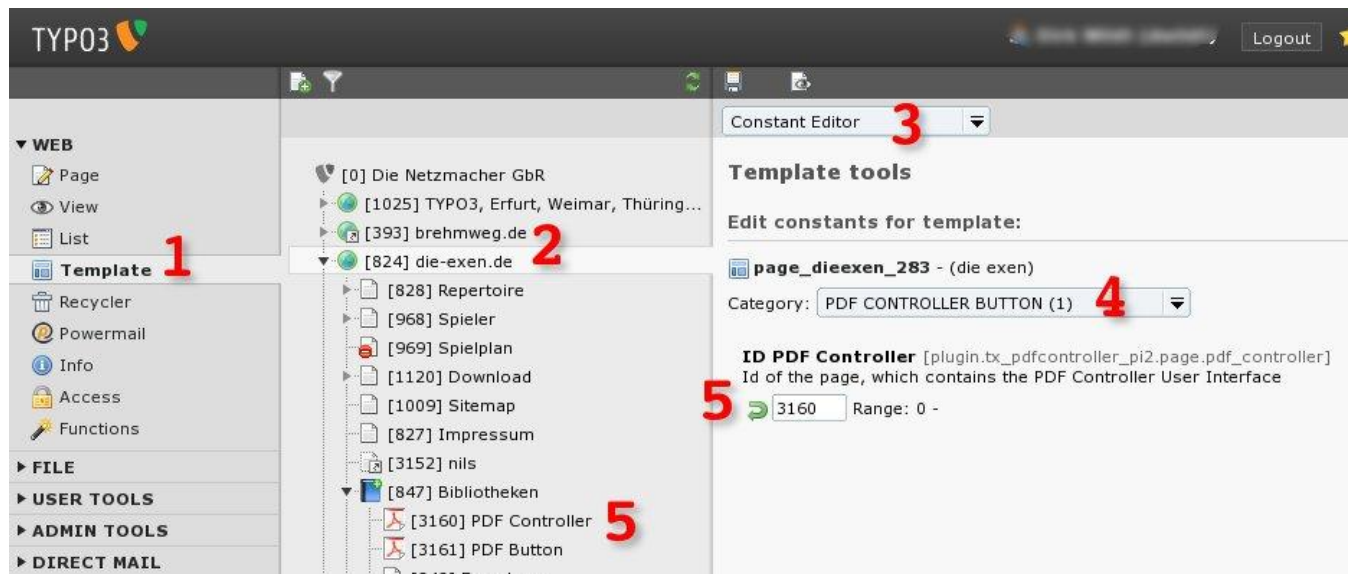


Illustration 13: PDF Controller in the TypeScript Constant Editor

1. Module      Web > Template
2. Page tree    Root page (in the illustration above: die-exen.de)
3. Edit area    TypeScript Constant Editor
4.                Category: PDF CONTROLLER BUTTON
5.                ID PDF Controller: 3160



## Completely TypoScript

This is the completely TypoScript code of Tutorial II (consolidated):

```

page {
    10 {
        subparts {
            default {
                10 < plugin.tx_pdfcontroller_pi2.master_templates.pdf_and_print_button
                40 < plugin.tx_pdfcontroller_pi2.master_templates.pdf_and_print_button
            }
        }
    }
}

print < page
print {
    typeNum = 98
    config >
    config {
        admPanel          = 0
        xhtml_cleaning    = 0
        language          = de
        locale_all        = de_DE
        metaCharset       = UTF-8
        doctype           = xhtml_strict
        htmlTag_langKey   = de
        no_cache          = 1
    }
    meta {
        keywords >
        description >
    }
    includeCSS {
        pdf_controller = fileadmin/templates/die-exen.de/styles/pdf_controller.css
    }
    10 {
        subparts {
            menu >
            menu = &nbsp;
            default {
                10 >
                30 >
                40 >
                40 = COA
                40 {
                    wrap = <div id="footer_type98">|</div>
                    10 = TEXT
                    10 {
                        wrap = http://die-exen.de/|<br />
                        typolink {
                            parameter          = {page:uid},0
                            parameter.insertData = 1
                            returnLast         = url
                        }
                    }
                }
                21 = TEXT
                21.value = &#169; die-exen.de, c/o puppenspiel-portal.eu, Borntalweg 4, 99092
                Erfurt&nbsp;|&nbsp;
                22 = TEXT
                22.data = date:U
                22.strftime = Gedruckt am %d.%m.%y um %T Uhr
            }
        }
    }
}
}
}

```

## Optimisation

We optimize the PDF file.

Edit the plugin/flexform PDF Controller User Interface on the page PDF Controller:

- Tab [HTML] field [Page/content width]: 640 pixels
- Tab [PDF] fields margins: We reduce the margin

## Result



Illustration 14: Result of the tutorial II

1. <http://die-exen.de> with PDF button and print button
2. The generated PDF file in a PDF viewer

# Development

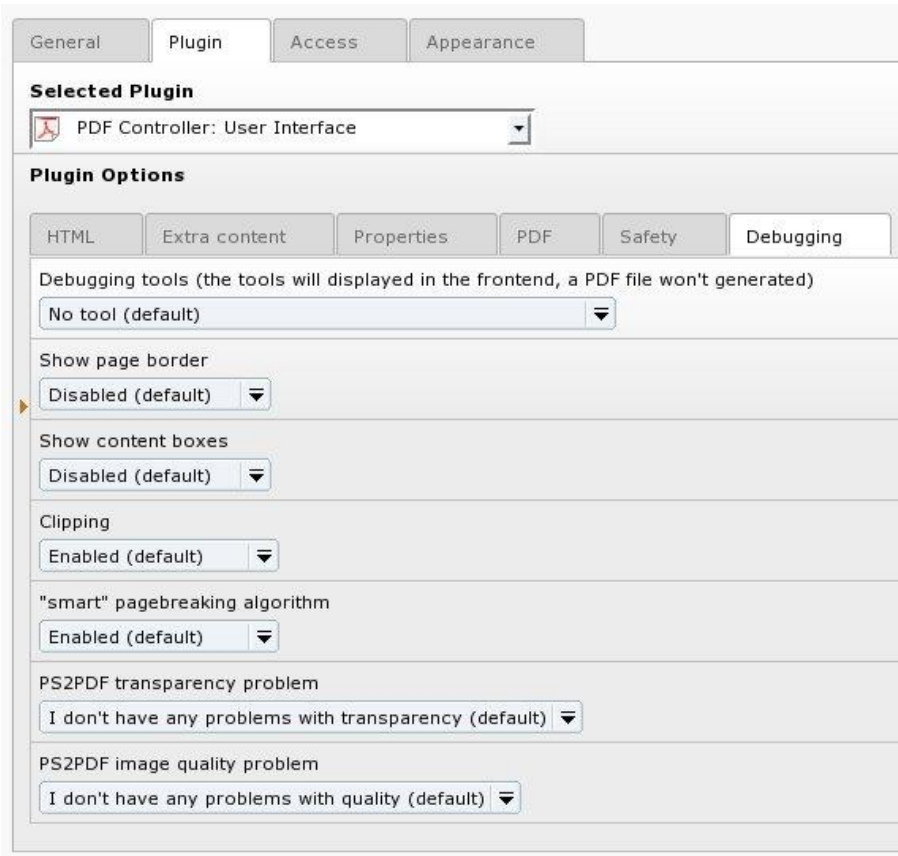
## Requirements

You have to be a TYPO3 administrator for using the developer tools.

## Plugin

You have some options in the tab [Debugging], if you like to develop the PDF Controller or if you want to get some informations only.

The first select box is powerful: You can select one of four frontend tools. See Frontend Tools on page 20 below.



The screenshot shows the 'PDF Controller: User Interface' configuration page. At the top, there are four tabs: 'General', 'Plugin', 'Access', and 'Appearance'. The 'Plugin' tab is selected. Below the tabs, the 'Selected Plugin' is 'PDF Controller: User Interface'. Under 'Plugin Options', there are sub-tabs: 'HTML', 'Extra content', 'Properties', 'PDF', 'Safety', and 'Debugging'. The 'Debugging' sub-tab is active. It contains several settings, all with default values:

- Debugging tools** (the tools will displayed in the frontend, a PDF file won't generated): No tool (default)
- Show page border**: Disabled (default)
- Show content boxes**: Disabled (default)
- Clipping**: Enabled (default)
- "smart" pagebreaking algorithm**: Enabled (default)
- PS2PDF transparency problem**: I don't have any problems with transparency (default)
- PS2PDF image quality problem**: I don't have any problems with quality (default)

Illustration 15: PDF Controller with the tab [Debugging]

## Frontend Tools

### Check system requirements

You will get a report with checked system requirements in the frontend.

#### Checking your system configuration

This script will attempt to check your system settings and detect most obvious problems which could prevent you from using html2ps: missing PHP extensions, invalid permissions on files used by the script, missing font files and so on. Please note that if list may be incomplete: please visit [html2ps support forum](#) in case you've encountered an unknown issue.

|   |
|---|
| <b>XML DOM extension</b>  |
| Native XML DOM extension found  |
| <b>Curl PHP Extension</b>   |
| Found Curl extension version 7.   |
| <b>allow_url_fopen ini setting</b>  |
| allow_url_fopen is enabled  |
| <b>pcrc.backtrack_limit ini setting</b>   |
| pcrc.backtrack_limit is set to 10000 (less than 1,000,000). You could experience issues converting large pages.                       |
| <b>GD PHP Extension</b>   |
| Found GD version 2.0.34.  |
| <b>GD JPEG Support</b>  |
| JPEG support enabled  |
| <b>GD GIF Support</b>   |
| GIF support enabled   |
| <b>GD PNG Support</b>   |
| PNG support enabled   |
| <b>Permissions on 'temp' subdirectory</b>   |
| 'temp' subdirectory is fully accessible to the script   |
| <b>Permissions on 'fonts' subdirectory</b>  |
| 'fonts' subdirectory is readable and executable by the script   |
| <b>Permissions on Type1 fonts directory</b>   |
| Type1 fonts directory (c:\Program Files\gs\fonts) is missing. You will not be able to generate postscript files.                      |
| <b>Presence of registered TTF files</b>   |
| Font: /home/www/html2ps/html2ps/public_html/fonts/arialuni.ttf is missing. You will not be able to generate PDF files with this font. |
| Font: /home/www/html2ps/html2ps/public_html/fonts/times.ttf is present and readable.  |
| Font: /home/www/html2ps/html2ps/public_html/fonts/timesbi.ttf is present and readable.  |
| Font: /home/www/html2ps/html2ps/public_html/fonts/timesbd.ttf is present and readable.  |
| Font: /home/www/html2ps/html2ps/public_html/fonts/timesi.ttf is present and readable.   |
| Font: /home/www/html2ps/html2ps/public_html/fonts/arial.ttf is present and readable.  |
| Font: /home/www/html2ps/html2ps/public_html/fonts/arialbi.ttf is present and readable.  |
| Font: /home/www/html2ps/html2ps/public_html/fonts/arialbd.ttf is present and readable.  |
| Font: /home/www/html2ps/html2ps/public_html/fonts/ariali.ttf is present and readable.   |
| Font: /home/www/html2ps/html2ps/public_html/fonts/cour.ttf is present and readable.   |
| Font: /home/www/html2ps/html2ps/public_html/fonts/courbi.ttf is present and readable.   |
| Font: /home/www/html2ps/html2ps/public_html/fonts/courbii.ttf is present and readable.  |
| Font: /home/www/html2ps/html2ps/public_html/fonts/couri.ttf is present and readable.  |

Illustration 16: Report with checked system requirements

### Test form for your URL and your parameters

Send an URL manually to html2ps. Only an URL containing your host is accepted.

#### html2ps/pdf demo (v 2.0.43)

[GhostView](#) can be used to read PostScript files, and [Adobe Acrobat Reader](#) can be used to read PDF files.

See also:

- [html2ps/pdf documentation](#)
- [System requirements checking script](#)

Source

Single URL ☒ :

Batch mode ☐ :

Use proxy:

Format Requirements

Page width [pixels]

Keep screen pixel/point ratio ☒

Render images ☒

Render hyperlinks ☒

Interactive forms ☐ FPDF/PDFLIB 1.6 output only!

Substitute special fields ☒

Media

CSS Media

Left margin [mm]

Right margin [mm]

Top margin [mm]

Bottom margin [mm]

Auto-size vertical margins ☐

Landscape ☐

Encoding

Content generation

Header

Illustration 17: Form for sending an URL manually

## html2ps documentation

Very helpful documentation, if you want to configure the conversion from HTML to PDF.

## html2ps/pdf documentation

1. [FAQ](#)
2. [Requirements and recommendations](#)
3. [Installation notes](#)
4. [Configuring html2ps/pdf](#)
5. [Calling html2ps/pdf](#)
6. [html2ps/pdf HTML directives](#)
7. [Interactive forms](#)
8. Generated content
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9. Internals
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10. API
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  - c. [Minimal code samples](#)
  - d. [API events](#)
  - e. [DOM compatibility](#)
11. [HOWTO: Use custom fonts](#)
12. [CSS 2.1 compatibility list](#)
13. [CSS 3 compatibility list](#)

html2ps/pdf (c) [TUFA.com](http://TUFA.com)

Illustration 18: html2ps documentation

## List with parameters, which will send to html2ps

Get a list with the parameters, which will send to html2ps.

### List of parameters for html2ps

```
array (
  'smartpagebreak' => true,
  'pixels' => '1280',
  'cssmedia' => 'Screen',
  'scalepoints' => true,
  'renderimages' => '1',
  'renderfields' => '1',
  'renderlinks' => '1',
  'bottommargin' => '20',
  'leftmargin' => '30',
  'media' => 'A4',
  'method' => 'fpdf',
  'pdfversion' => '1.3',
  'rightmargin' => '20',
  'topmargin' => '20',
  'URL' => 'http://die-exen.de/spieler/kathrin-bluechert/',
  'convert' => 'Convert File',
  'process_mode' => 'single',
  'encoding' => '',
  'headerhtml' => '',
  'footerhtml' => '',
  'toc-location' => 'before',
  'pslevel' => '3',
  'output' => '0',
)
```

### Full qualified URL

Copy and paste to your browser.

**[http://die-exen.de/typo3conf/ext/pdfcontroller/res/html2ps\\_v2043/public\\_html/demo/html2ps.php?smartpagebreak=1&pixels=1280&cssmedia=Screen&scalepoints=1&renderimages=1&renderfields=1&renderlinks=1&bottommargin=20&leftmargin=30&media=A4&method=fpdf&pdfversion=1.3&rightmargin=20&topmargin=20&URL=http://die-exen.de/spieler/kathrin-bluechert/&convert=Convert File&process\\_mode=single&encoding=&headerhtml=&footerhtml=&toc-location=before&pslevel=3&output=0](http://die-exen.de/typo3conf/ext/pdfcontroller/res/html2ps_v2043/public_html/demo/html2ps.php?smartpagebreak=1&pixels=1280&cssmedia=Screen&scalepoints=1&renderimages=1&renderfields=1&renderlinks=1&bottommargin=20&leftmargin=30&media=A4&method=fpdf&pdfversion=1.3&rightmargin=20&topmargin=20&URL=http://die-exen.de/spieler/kathrin-bluechert/&convert=Convert File&process_mode=single&encoding=&headerhtml=&footerhtml=&toc-location=before&pslevel=3&output=0)**

Illustration 19: Report with parameters, which will send to html2ps

## Don't suppress PHP error messages

Mostly relevant to developers: What would happen if an error message appears? ([SYS][displayErrors] has to be set to 1 or 2 in Install Tool.)

## Backend Tool

### Enable DRS - the Development Reporting System

The PDF Controller is supported by the DRS - the Development Reporting System. You enable the DRS with the extension manager of the PDF Controller.

You can follow the complete work flow of the plugin PDF Controller.

If DRS is enabled, you will receive a report in the backend. It is supporting you in case of errors or if you like to develop the PDF Controller.

You need the extension devlog.

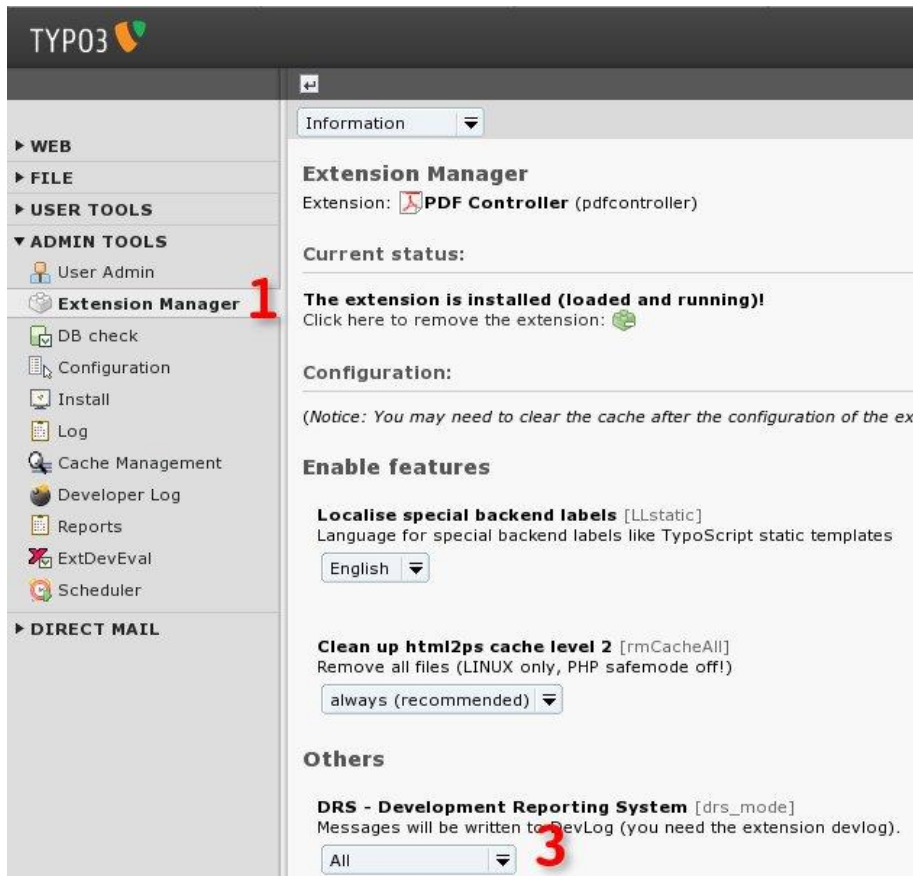


Illustration 20: PDF Controller in the extension manager

1. Module      Admin Tools > Extension Manager
2. Edit area    Select PDF Controller (pdfcontroller)
3.                Enable the DRS

## Get the Report

The screenshot shows the TYPO3 Developer Log interface. On the left is a sidebar with navigation links: WEB, FILE, USER TOOLS, ADMIN TOOLS (including User Admin, Extension Manager, DB check, Configuration, Install, Log, Cache Management), Developer Log (selected), Reports, ExtDevEval, Scheduler, and DIRECT MAIL. The main area is titled 'Developer Log' and contains a 'Select Log' dropdown set to 'latest log run', with 'Auto refresh' and 'Expand all extra data' checkboxes. Below this is a 'Log entries:' section with a 'Log period: 18-09-11 23:44 (10 min)' filter. A table displays the log entries with columns for Date, Severity, Extension, Message, Called from, and Page. The entries show various messages from the 'pdfcontroller' extension, including system reports, performance start times, and debugging information for the 'PDF Controller' class.

| Date              | Severity | Extension                        | Message   | Called from  | Page           |
|-------------------|----------|----------------------------------|---|--|----------------|
| 18-09-11 23:44:25 | INFO     | pdfcontroller[INFO/DRS]          | DRS - Development Reporting System:<br>/>flexform | class.tx_pdfcontroller_pi1.php, line 649           | PDF Controller |
| 18-09-11 23:44:25 | INFO     | pdfcontroller[INFO/PERFORMANCE]  | START 0 ms  | class.tx_pdfcontroller_pi1.php, line 196           | PDF Controller |
| 18-09-11 23:44:25 | INFO     | pdfcontroller[INFO/FLEXFORM]     | 'PDF Controller' (pid: 3149, uid: 2469)           | class.tx_pdfcontroller_pi1_flexform.php, line 329  | PDF Controller |
| 18-09-11 23:44:25 | INFO     | pdfcontroller[INFO/FLEXFORM+JSS] | addcontent.headerhtml: "                          | class.tx_pdfcontroller_pi1_flexform.php, line 1033 | PDF Controller |
| 18-09-11 23:44:25 | INFO     | pdfcontroller[INFO/FLEXFORM+JSS] | addcontent.footerhtml: "                          | class.tx_pdfcontroller_pi1_flexform.php, line 1033 | PDF Controller |
| 18-09-11 23:44:25 | INFO     | pdfcontroller[INFO/FLEXFORM+JSS] | addcontent.toc: "                                 | class.tx_pdfcontroller_pi1_flexform.php, line 1033 | PDF Controller |
| 18-09-11 23:44:25 | INFO     | pdfcontroller[INFO/FLEXFORM+JSS] | addcontent.toc-location: "                        | class.tx_pdfcontroller_pi1_flexform.php, line 1033 | PDF Controller |
| 18-09-11 23:44:25 | INFO     | pdfcontroller[INFO/FLEXFORM+JSS] | addcontent.watermarkhtml: "                       | class.tx_pdfcontroller_pi1_flexform.php, line 1033 | PDF Controller |
| 18-09-11 23:44:25 | INFO     | pdfcontroller[INFO/FLEXFORM+JSS] | debugging.debugbox: "                             | class.tx_pdfcontroller_pi1_flexform.php, line 1033 | PDF Controller |
| 18-09-11 23:44:25 | INFO     | pdfcontroller[INFO/FLEXFORM+JSS] | debugging.debugnoclip: "                          | class.tx_pdfcontroller_pi1_flexform.php, line 1033 | PDF Controller |
| 18-09-11 23:44:25 | INFO     | pdfcontroller[INFO/FLEXFORM+JSS] | debugging.imagequality_workaround: "              | class.tx_pdfcontroller_pi1_flexform.php, line 1033 | PDF Controller |
| 18-09-11 23:44:25 | INFO     | pdfcontroller[INFO/FLEXFORM+JSS] | debugging.pageborder: "                           | class.tx_pdfcontroller_pi1_flexform.php, line 1033 | PDF Controller |
| 18-09-11 23:44:25 | INFO     | pdfcontroller[INFO/FLEXFORM+JSS] | debugging.smartpagebreak: '1'                     | class.tx_pdfcontroller_pi1_flexform.php, line 1033 | PDF Controller |
| 18-09-11 23:44:25 | INFO     | pdfcontroller[INFO/FLEXFORM+JSS] | \$REQUEST[smartpagebreak] is set to : '1'         | class.tx_pdfcontroller_pi1_flexform.php, line 1005 | PDF Controller |
| 18-09-11 23:44:25 | INFO     | pdfcontroller[INFO/FLEXFORM+JSS] | debugging.transparency_workaround: "              | class.tx_pdfcontroller_pi1_flexform.php, line 1033 | PDF Controller |
| 18-09-11 23:44:25 | INFO     | pdfcontroller[INFO/FLEXFORM+JSS] | input.pixels: '3'                                 | class.tx_pdfcontroller_pi1_flexform.php, line      | PDF            |

Illustration 21: DRS report

1. Module Admin Tools > Developer Log

# SEO - Search Engine Optimisation

You are optimising your website for search engines in principle, that your content will be found and indexed in a meaningful context.

But if you are offering an HTML page for PDF download and for optimised printing, you don't like the a twice or triple indexing - because of performance.

## rel="nofollow"

Links to the pdf controller shouldn't indexed by default.

The <a> tag has the property rel="nofollow"

This effects that search engines doesn't follow the link - they don't download your PDF document. They don't index it.

That's what you want.

If you have a need to index PDF documents by search engines, please remove the TypoScript ATagParams. See the snippet below.

## TypoScript snippet

```
plugin.tx_pdfcontroller_pi2 {
    button = IMAGE
    button {
        ...
        imageLinkWrap {
            enable = 1
            typolink {
                ...
                ATagParams = rel="nofollow"
            }
        }
    }
}
```



## Defined errors and warnings

### **Warning #1: piVars aren't set**

The page with the plugin PDF Controller is called without any parameter.

### **Warning #2: piVars[URL] isn't set**

The page with the plugin PDF Controller is called without the parameter &tx\_pdfcontroller\_pi1[URL].

### **Warning #3: piVars[URL] is empty**

The page with the plugin PDF Controller is called with the parameter &tx\_pdfcontroller\_pi1[URL] but the parameter is empty.

# Cache

## Remove the Cache manually

html2ps caches the rendered PDF documents.

It is recommended to clean up the cache from time to time.

Cached files are stored in:

- `ext/pdfcontroller/res/html2ps_v2043/public_html/cache/`

# Security

## In principle

The external php code of html2ps can be used only within TYPO3. If there is an external call - a call from another website - code won't be executed. The result will be an error message.

## html2ps

The html2ps module has a security restriction in particular:

- You can use it for a conversion to PDF for URL of the current website only.

If you have the need to use the core for conversion to PDF of an external URL, please contact the developers. See "Forum" on page 33 below.

# System Requirements

PDF Controller is using the PHP project html2ps (see Credits on page 34 below).

## Check it by the Plugin!

You can check your system supported by the plugin PDF Controller User Interface. See "Check system requirements" on page 20 above.

## Required

- PHP 4.1.0 or newer (PHP 5 supported too)
- native\_OR\_Active-Link DOM XML extension installed

## Recommended

- 'gzlib' PHP extension
- 'iconv' PHP extension

# Reference

## html2ps

html2ps isn't controlled by TypoScript properties. You control html2ps with URL parameters.

You configure the parameters in the plugin/flexform PDF Controller User Interface.

But you can configure missing parameters and – if you need another value than in the flexform/plugin – all parameters of the flexform/plugin by sending this parameter in the URL.

### html2ps/pdf script parameters

The html2ps/pdf script parameters are well documented by html2ps.

Please call the html2ps/pdf documentation (see section html2ps documentation on page 21 above). Click the link:

- [Calling html2ps/pdf](#)

### Example

You have set the HTML page width to 640 pixels in the flexform/plugin. But there is one page with a different layout. You need 900 pixels width.

- The html2ps parameter is "pixels"
- The parameter for the URL is than tx\_pdfcontroller\_pi1[pixels]

Workflow:

- Inspect your TypoScript with the TypoScript Object Browser on the page, where you needed 900 pixels.
- Look for the array, which is configuring your PDF button.
- Add to the value of the additional parameters your parameter: &tx\_pdfcontroller\_pi1[pixels]=900
- If it is the first parameter behind the pipe, you need a double "&" probably.

```
page.10.subparts.default.10.10.imageLinkWrap.typolink.additionalParams.wrap = \
    &tx_pdfcontroller_pi1[URL]={getIndpEnv:TYPO3_SITE_URL}|&&tx_pdfcontroller_pi1[pixels]=900
```

## tx\_pdfcontroller\_pi2

| Property:          | Data type: | Description:   |
|--------------------|------------|--|
| button             | TCO        | <p>TypoScript for rendering the PDF download button. The used markers are replaced only in this TypoScript. If you are change the TypoScript you have to replace the markers manually.</p> <p><b>Example:</b><br/>If you like to use both - a pdf button and a print button - you can replace the TypoScript like in the example "Allocate the master_template " on page 15 above.</p> <p><b>Default code:</b></p> <pre> plugin.tx_pdfcontroller_pi2 {     button = IMAGE     button {         wrap =  &amp;nbsp;         file = ###IMAGEFILE###         altText = TEXT         altText {             value = Download content as PDF file             lang {                 de = Inhalt als PDF-Datei herunterladen             }         }         titleText &lt; .altText         imageLinkWrap = 1         imageLinkWrap {             enable = 1             typolink {                 parameter = ###PARAMETER###                 additionalParams = ###ADDITIONALPARAMS###                 ATagParams = rel="nofollow"             }         }     } } </pre> |
| master_templates   | array      | <p>If you like to use both - a pdf button and a print button - you can allocate a master template.</p> <p><b>Example:</b><br/>See "Allocate the master_template " on page 15 above.</p> <p><b>Default code:</b></p> <pre> plugin.tx_pdfcontroller_pi2 {     master_templates {         pdf_and_print_button = COA         pdf_and_print_button {             // Please inspect the code with             // the TypoScript Object Browser         }     } } </pre>   |
| _CSS_DEFAULT_STYLE | array      | <p>Inline CSS. It will included while runtime.</p> <p><b>Default code:</b></p> <pre> plugin.tx_pdfcontroller_pi2 {     _CSS_DEFAULT_STYLE (         .tx-pdfcontroller-pi2 {             text-align: right;         }         .tx-pdfcontroller-pi2 ul {             font-weight: bold;             list-style-type: none;             margin: 0;             padding: 0;         }         .tx-pdfcontroller-pi2 ul li {             display:inline;             margin: 0;             padding-left:.6em;         }     ) } </pre>  |

## FAQ

### CSS compatibility list

#### CSS 2.1

Please call the html2ps/pdf documentation (see section html2ps documentation on page 21 above). Click the link:

- [CSS 2.1 compatibility list](#)

#### CSS 3

Please call the html2ps/pdf documentation (see section html2ps documentation on page 21 above). Click the link:

- [CSS 3 compatibility list](#)

### How do I add an image header to the PDF?

Please add to the flexform [Add content] to the field "header" an HTML img-tag, which is conform with XHTML. Conform means: the tag must be closed. Your URL have to be absolute and not relative.

This is a proper example:

```

```

### How do I disable the Google Chrome PDF Viewer?

If you have trouble with the Google Chrome Browser, please disable it:

1. URL: chrome://plugins
2. Disable the "Chrome PDF Viewer"

# Further Information

## Other extensions published by Die Netzmacher GbR

-  Browser - the TYPO3-Frontend-Engine. The Browser speeds up the developing of TYPO3 extension development eight times! The Browser is the fast way for your data to the TYPO3 frontend. It displays content from related tables. You need 1 line TypoScript for a result list with a search form, a record browser and an a-z browser. Images are wrapped self-acting. SEO, Search Engine Optimisation, is integrated.  
<http://typo3.org/extensions/repository/view/browser/current/>
-  Green Cars (Grüne Autos) - Database optimized for ecological cars. It is a case study and demonstrates, how to get a complex database with the Browser in three hours only.  
[http://typo3.org/extensions/repository/view/green\\_cars/current/](http://typo3.org/extensions/repository/view/green_cars/current/)
-  Jobmarket is a catalogue with job offers. Views, the a-z-browser, the page-browser, the search, social bookmarks and a lot of other stuff can configured by the Browser plugin with the mouse. Job Market hasn't any PHP code, it should be easy to adapt it to your needs.  
[http://typo3.org/extensions/repository/view/job\\_market/current/](http://typo3.org/extensions/repository/view/job_market/current/)
-  Juridat - Database for Juridical Data. Juridat provides a juridical data base with backend functionality. Juridat is out of the box. It is a teamwork with the Browser.  
<http://typo3.org/extensions/repository/view/juridat/current/>
-  logical\_form: A very small frontend plugin for evaluating forms. I.e you can evaluate mail addresses.  
[http://typo3.org/extensions/repository/view/logical\\_form/current/](http://typo3.org/extensions/repository/view/logical_form/current/)
-  Majordomo: For subscribing to and unsubscribing from a majordomo mailing list.  
<http://typo3.org/extensions/repository/view/majordomo/current/>
-  Organiser provides a lot of features for handle news, events, staff, headquarters, locations, repertoire, workshops and a calendar. Sell your online tickets! Organiser is based on the Browser.  
<http://typo3-organiser.de/>
-  Quick Shop (extkey: quick\_shop): The fastest shop in the history of TYPO3. Install it with one mouse click only! Quick Shop is based on the Browser and powermail.  
[http://typo3.org/extensions/repository/view/quick\\_shop/current/](http://typo3.org/extensions/repository/view/quick_shop/current/)
-  seo\_dynamic\_tag: Search Engine Optimisation. You can generate values dynamically with this extension especially for the <title>-tag, for the <meta>-tag description and the <meta>-tag keywords.  
[http://typo3.org/extensions/repository/view/seo\\_dynamic\\_tag/current/](http://typo3.org/extensions/repository/view/seo_dynamic_tag/current/)
-  TSconfig Pages and Users by extManager (extkey: tsconf): Configure the eight most commonly used TSconfig properties with the mouse - like page tree uids, activated extended view, activated clipboard, ...  
<http://typo3.org/extensions/repository/view/tsconf/current/>
-  tt\_news select configuration (extkey: ttnews\_selectconf) enables to select tt\_news by any SQL clause. The extension adds an andWhere clause to the SQL query of the tt\_news plugin. I. e. it is possible to display tt\_news items in dependence on the ownership of a fe\_user.  
[http://typo3.org/extensions/repository/view/ttnews\\_selectconf/current/](http://typo3.org/extensions/repository/view/ttnews_selectconf/current/)
-  Wine Catalogue provides a data base for wine with regions, wineries, styles, variety and ageing among others. It is localized. English, German and Spanish is out of the box. Wine based on the extension Browser.  
<http://typo3.org/extensions/repository/view/wine/current/>



# Helpful suggestions

## Forum

If you have helpful suggestions, feel free to publish any question, bug or code snippet on

- <http://typo3-pdfcontroller.de/>

Look for the forum TYPO3 PDF Controller.

Posts are welcome in English and German.

# Credits

## TYP03 Security Team

[1.1.1]

Thanks to the TYP03 Security Team for a commendable support - especially to Franz G. Jahn.<sup>7</sup>

## Darren Gates and Konstantin Bournayev

[Release]

To Darren Gates and Konstantin Bournayev, who developed html2ps. If you like to donate to the html2ps project, visit this URL

- [http://www.tufat.com/s\\_html2ps\\_html2pdf.htm](http://www.tufat.com/s_html2ps_html2pdf.htm)

You will find a link for donation on the top of the page.

## Change log

### 1.2.0 **New Features**

- \* #36513: Enable Batch Processing  
Coded by Jonas Goetze <http://forge.typo3.org/users/4345>
- \* #36228: Display PHP error messages – configurable by the plugin / flexform  
Coded by Ulfried Herrmann <http://herrmann.at.die-netzmacher.de>

### 1.1.4 **Bugfix**

- \* #34939: Get rid of PHP notice logs  
Thanks to Alexander Krimm for the bug report

### 1.1.3 **Improvement**

- \* #34858: Usage of \$ICON\_TYPES is deprecated since 4.4.  
Thanks to Rene Staecker <http://forge.typo3.org/users/1993>

### 1.1.2 **Bugfix**

- \* #00000: SQL error in the query in context with development tools  
Thanks to Borries Jensen, who send the Bugfix.
- \* #00000: After clearing the dirs cache, out and temp each folder get a file index.html

### 1.1.1 **New Feature**

- \* #33851: SEO rel="nofollow"
- #### **Improvements**
- \* #00000: pi1/flexform\_loclang.xml

### 1.1.0 **Security fix**

### 1.0.1 **Improvements**

- \* #32516: Systemcheck should check fonts in directory of pdfcontroller\_fonts
- \* #32513: typeNum print template is configurable by the TypoScript constant editor
- \* #32482: PDF Controller suggests to install Fonts

#### **Bugfixes**

- \* #32518: Wrong field name for proxy in the flexform. Thanks to Borries Jensen
- \* #31191: Missing folders temp and out. Thanks to Borries Jensen
- \* #31190: Parameter are missing - without RealURL only. Thanks to Borries Jensen

### 1.0.0 **Initial release**

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